



**UNITED STATES DEPARTMENT OF COMMERCE  
Patent and Trademark Office**

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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.
08/880,675	06/23/97	LEE	J P54346

ROBERT E BUSHNELL  
1522 K STREET N W SUITE 300  
WASHINGTON DC 20005-1401

LM61/0929

EXAMINER

HARVEY, D

ART UNIT	PAPER NUMBER
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2714

7

DATE MAILED: 09/29/99

**Please find below and/or attached an Office communication concerning this application or proceeding.**

**Commissioner of Patents and Trademarks**



UNITED STATES DEPARTMENT OF COMMERCE  
Patent and Trademark Office

**NOTICE OF ALLOWANCE AND ISSUE FEE DUE**

LM61/0929

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APPLICATION NO.	FILING DATE	TOTAL CLAIMS	EXAMINER AND GROUP ART UNIT	DATE MAILED
08/880,675	06/23/97	021	HARVEY, D 2714	09/29/99
First Named Applicant	LEE, 35 USC 154(b) term ext. = 0 Days.			

TITLE OF INVENTION METHOD FOR DETECTING AND SEPARATING VERTICAL AND HORIZONTAL SYNCHRONOUS SIGNALS FROM COMPUTER SYSTEM

ATTY'S DOCKET NO.	CLASS-SUBCLASS	BATCH NO.	APPLN. TYPE	SMALL ENTITY	FEE DUE	DATE DUE
2 P54346	348-530.000	031	UTILITY	NO	\$1210.00	12/29/99

**THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED.**

**THE ISSUE FEE MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED.**

**HOW TO RESPOND TO THIS NOTICE:**

**I. Review the SMALL ENTITY status shown above.**

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

- A. If the status is changed, pay twice the amount of the FEE DUE shown above and notify the Patent and Trademark Office of the change in status, or
- B. If the status is the same, pay the FEE DUE shown above.

If the SMALL ENTITY is shown as NO:

- A. Pay FEE DUE shown above, or
- B. File verified statement of Small Entity Status before, or with, payment of 1/2 the FEE DUE shown above.

**II. Part B-Issue Fee Transmittal should be completed and returned to the Patent and Trademark Office (PTO) with your ISSUE FEE. Even if the ISSUE FEE has already been paid by charge to deposit account, Part B Issue Fee Transmittal should be completed and returned. If you are charging the ISSUE FEE to your deposit account, section "4b" of Part B-Issue Fee Transmittal should be completed and an extra copy of the form should be submitted.**

**III. All communications regarding this application must give application number and batch number. Please direct all communications prior to issuance to Box ISSUE FEE unless advised to the contrary.**

**IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.**

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# Notice of Allowability

Application No.

08/880,675

Applicant(s)

Lee et al.

Examiner

DAVID HARVEY

Group Art Unit

2714



All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance and Issue Fee Due or other appropriate communication will be mailed in due course.

☒ This communication is responsive to the amendment filed 8/2/99.

☒ The allowed claim(s) is/are 1-20 and 23 which have been renumbered as 1-21, respectively.

☐ The drawings filed on \_\_\_\_\_ are acceptable.

☒ Acknowledgement is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d).

☒ All ☐ Some\* ☐ None of the CERTIFIED copies of the priority documents have been

☒ received.

☐ received in Application No. (Series Code/Serial Number) \_\_\_\_\_.

☐ received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\*Certified copies not received: \_\_\_\_\_.

☐ Acknowledgement is made of a claim for domestic priority under 35 U.S.C. § 119(e).

A SHORTENED STATUTORY PERIOD FOR RESPONSE to comply with the requirements noted below is set to EXPIRE **THREE MONTHS** FROM THE "DATE MAILED" of this Office action. Failure to timely comply will result in ABANDONMENT of this application. Extensions of time may be obtained under the provisions of 37 CFR 1.136(a).

☐ Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL APPLICATION, PTO-152, which discloses that the oath or declaration is deficient. A SUBSTITUTE OATH OR DECLARATION IS REQUIRED.

☒ Applicant MUST submit NEW FORMAL DRAWINGS

☐ because the originally filed drawings were declared by applicant to be informal.

☒ including changes required by the Notice of Draftsperson's Patent Drawing Review, PTO-948, attached hereto or to Paper No. 3.

☐ including changes required by the proposed drawing correction filed on \_\_\_\_\_, which has been approved by the examiner.

☐ including changes required by the attached Examiner's Amendment/Comment.

Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the reverse side of the drawings. The drawings should be filed as a separate paper with a transmittal letter addressed to the Official Draftsperson.

☐ Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Any response to this letter should include, in the upper right hand corner, the APPLICATION NUMBER (SERIES CODE/SERIAL NUMBER). If applicant has received a Notice of Allowance and Issue Fee Due, the ISSUE BATCH NUMBER and DATE of the NOTICE OF ALLOWANCE should also be included.

## Attachment(s)

☒ Notice of References Cited, PTO-892

☐ Information Disclosure Statement(s), PTO-1449, Paper No(s). \_\_\_\_\_

☐ Notice of Draftsperson's Patent Drawing Review, PTO-948

☐ Notice of Informal Patent Application, PTO-152

☐ Interview Summary, PTO-413

☐ Examiner's Amendment/Comment

☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material

☒ Examiner's Statement of Reasons for Allowance

Art Unit:

1. The examiner notes the following:

1) Kobayashi [JP-45151] has been cited because it illustrates one example of a notoriously well known "countdown" circuitry which operated: a) to have received incoming sync pulses (19) at an *input terminal*; b) to have provided said incoming sync pulses to an *output terminal* whenever the sync pulses were present (i.e. via OR gate 14); c) to have generated reference sync pulses (9) whenever the incoming sync pulses were not received (i.e. via pulse generating circuitry 15 and 26); and d) to have outputted the generated reference sync pulses (9) in place of the missing incoming sync pulses (i.e. via OR gate 14). While the circuitry disclosed by Kobayashi is shown as processing separated vertical sync signal component of TV signal, the examiner maintains that it was notoriously well known in the art to have used such circuitry to have processed the separated horizontal sync signal component too.

2. The following is an examiner's statement of reasons for allowance:

*1) The examiner notes that Inui [JP 5-244450] recognized that sync signals may be absent from all of the monitored inputs [see the last three lines of the abstract]. However, in the absence of the monitored inputs, Inui outputted an indication of the condition to display device (i.e. 8). Inui did not describe or show means for generating reference sync signals when the monitored signals were absent.*

Art Unit:

*2) It is noted that even if one were to have modified the system disclosed by Imui with the type of circuitry which was exemplified by Kobayashi in paragraph 1 of this Office action, one still would not arrive at that which is now claimed. More specifically, one would have to further modify Kobayashi with additional circuitry for adjusting the polarities of the sync signals [see the section 103 rejections of paper #3]. The examiner maintains that the claims avoid the prior art of record because the only motivation that can be found to combine all of the art in the manner that is needed to meet the claims, i.e. to modify Kobayashi with both the reference signal generator and the polarity adjustment circuitry, is found in applicant's own disclosure.*

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

3. Any inquiry concerning this communication or earlier communications from the examiner should be directed to David E. Harvey whose telephone number is (703) 305-4365.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (703) 305-3900.

DEH 9/99

  
DAVID E. HARVEY  
PRIMARY EXAMINER